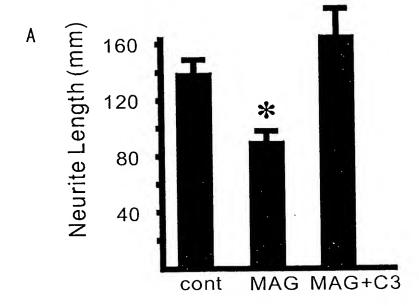
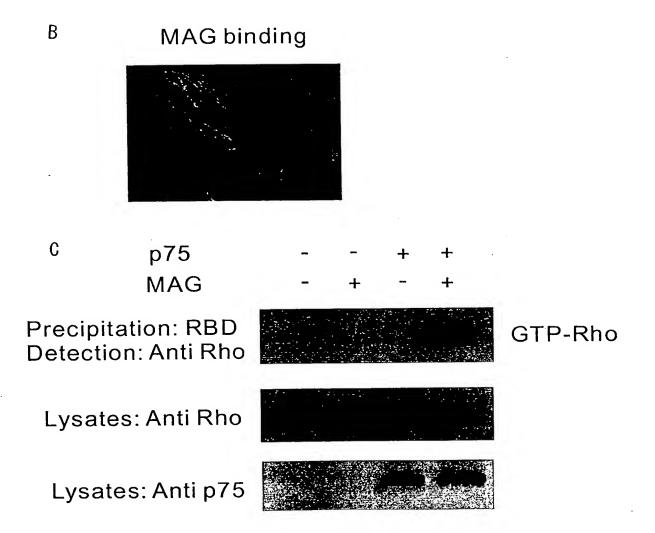


FIG.2



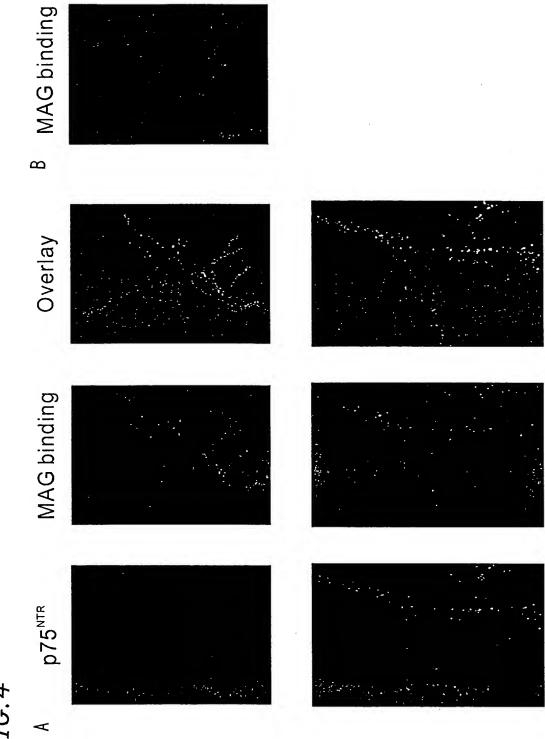


GTP-Rho GTP-Rho GTP-Rho 10m 30m 1h 50 10m 1h 25 Detection: Anti Rho Lysates: Anti Rho Lysates: Anti p75 Precipitation: RBD Detection: Anti Rho MAG(mg/ml) Precipitation: RBD Detection: Anti Rho Lysates: Anti Rho Lysates: Anti p75 MAG Precipitation: RBD NGF ပ GTP-Rho 10m 30m 1h cont 10m 30m Detection: Anti Rho Lysates: Anti Rho Lysates: Anti p75 MAG Precipitation: RBD 2.0 4.0 3.0 5.0 Relative Rho activity

Ω

Lysates: Anti Rho

FIG. 4



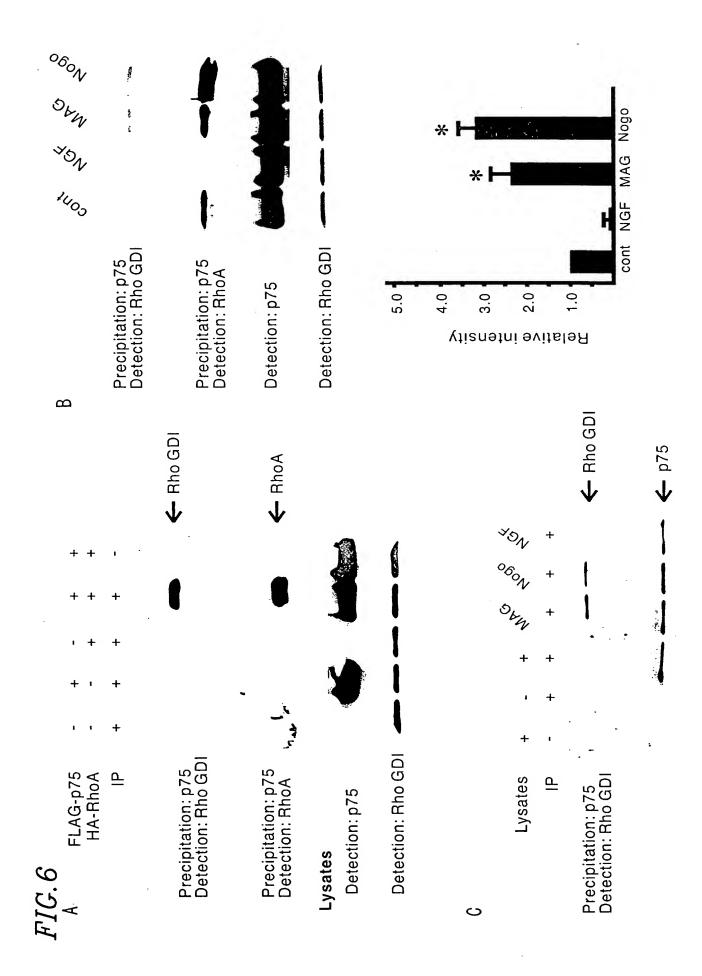


FIG. 7

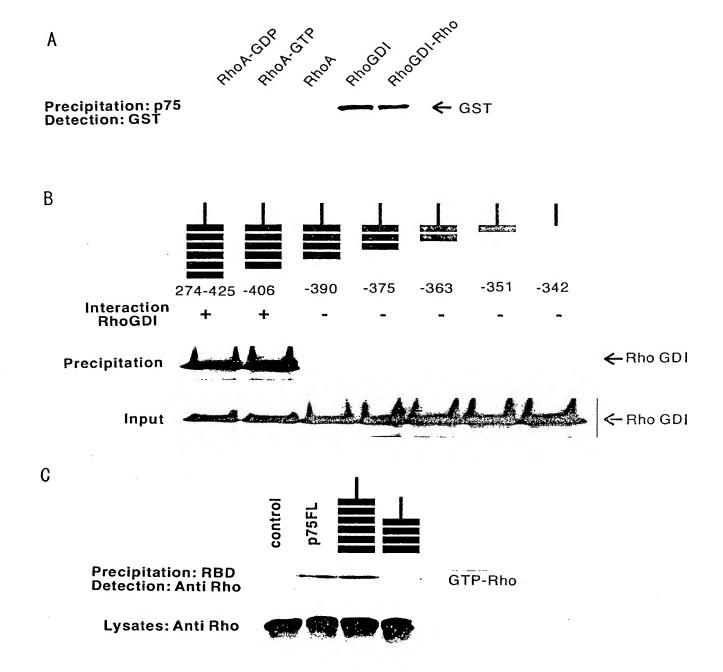
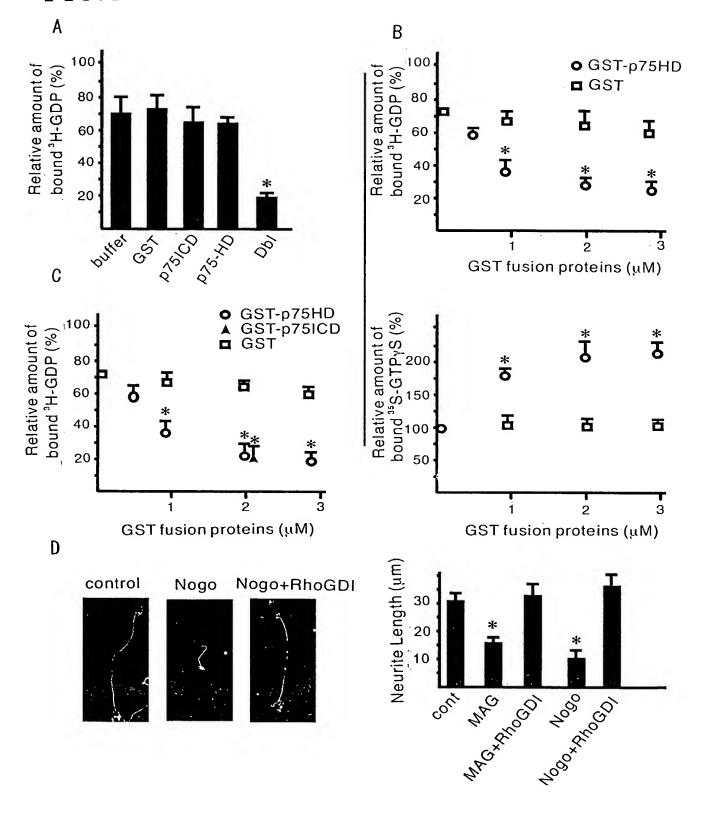
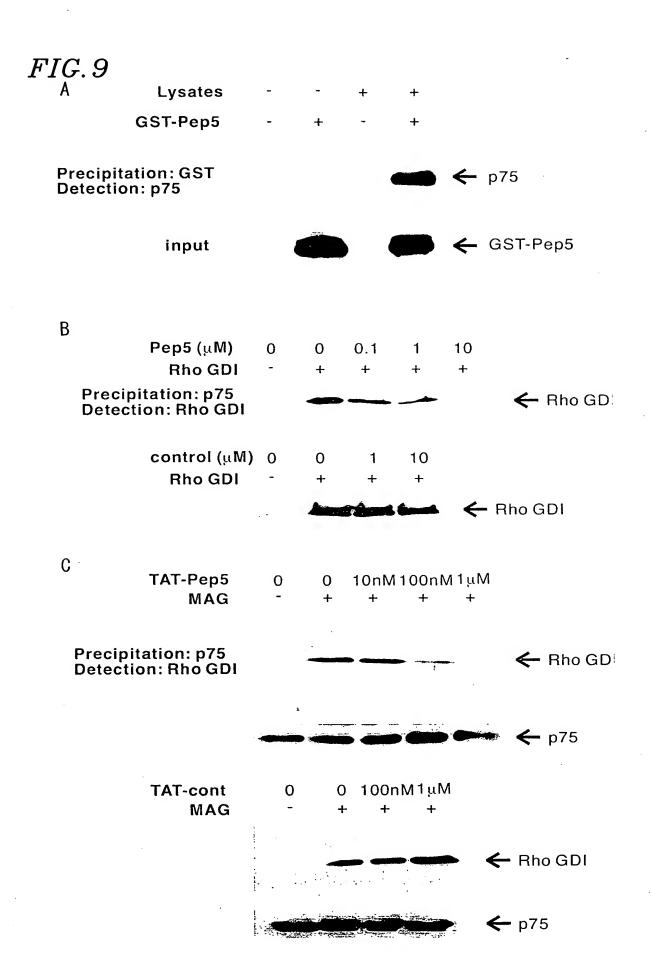


FIG.8





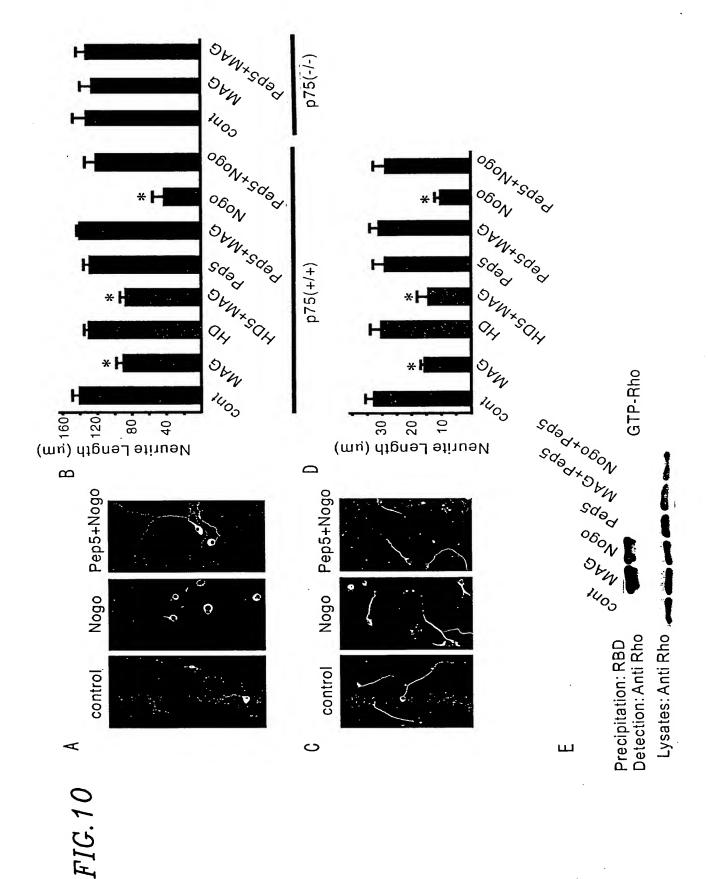
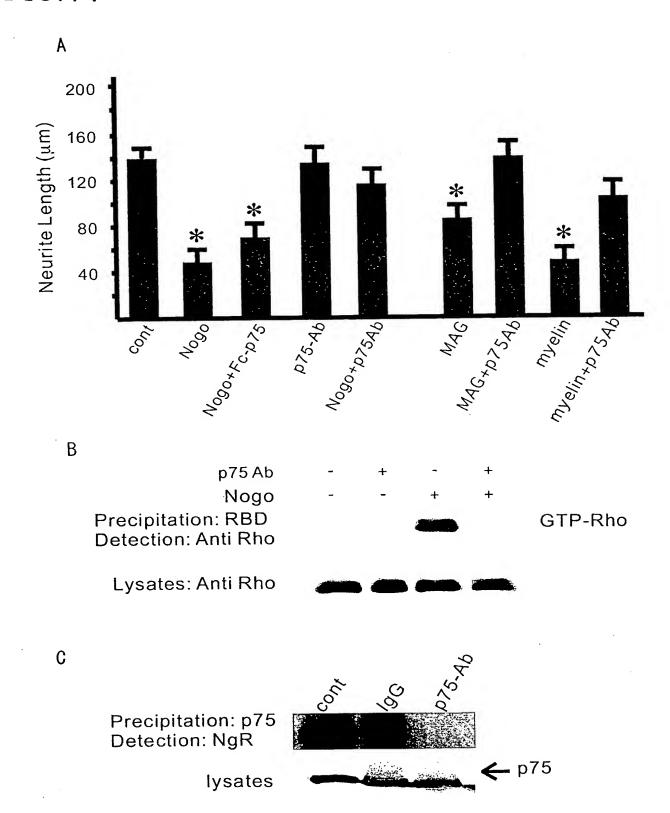
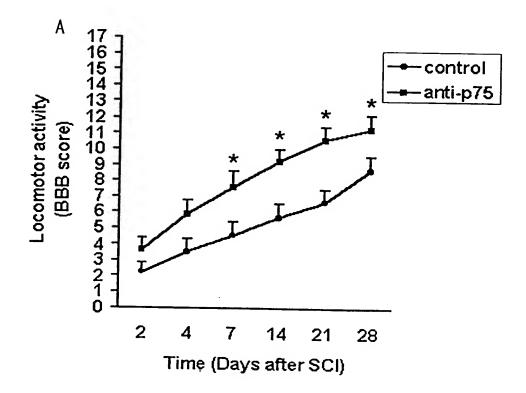


FIG. 11





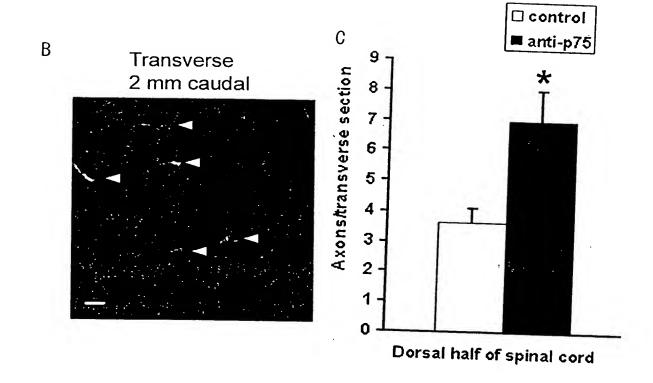


FIG. 13

Α

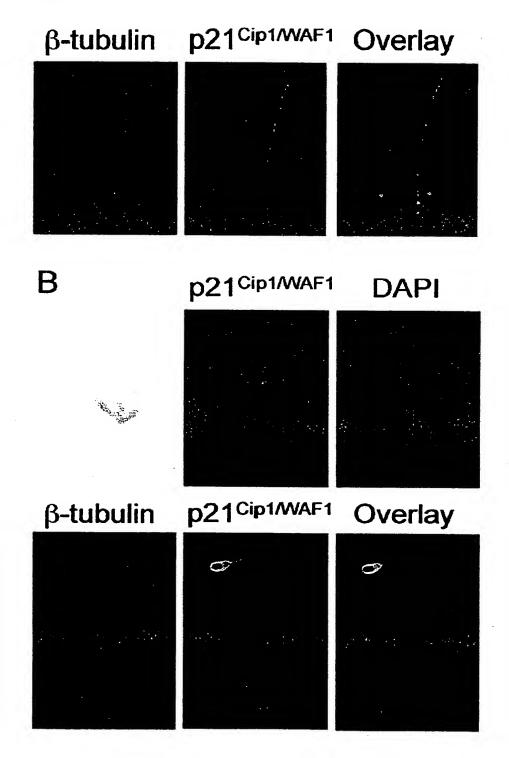
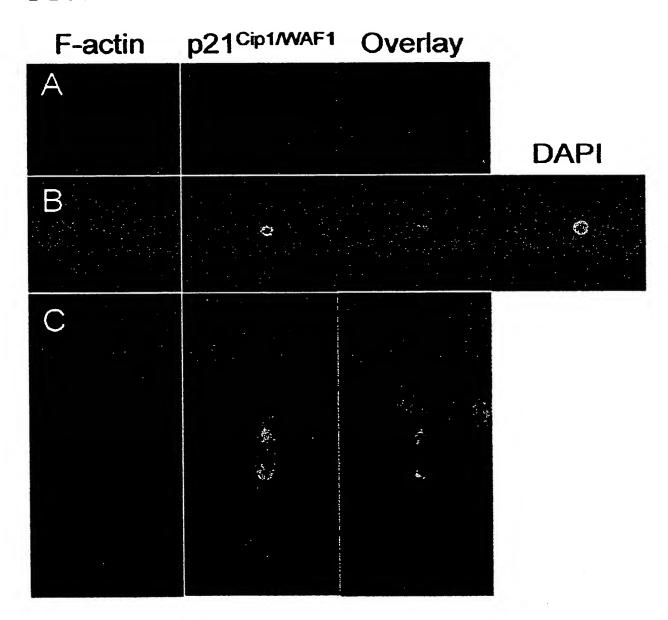
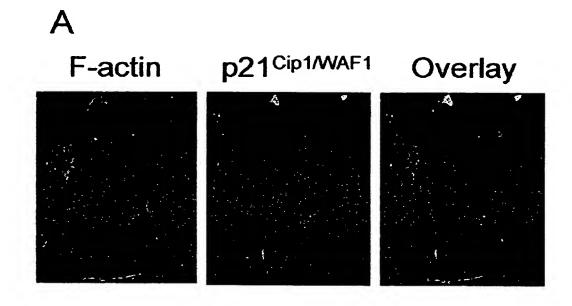


FIG. 14



GFP Overlay full-p21 ANLS -p21 F-actin ■ long neunte □ round □ others Control -p21 Control ~ % VNLS full -p21 9 20 40 20 9 0 Ш cyclin D3 pRb 0 1 2 3 4 (days) full-p21 ANLS-p21 Endogenous p21^{Cip1}/wAF1 GFP-ANLS-p21 FIG. 15 A selative cell number Relative cell 1.5 ANLS-P21 GFP DW20 full-p21 DMSO ANLS-p21 к Оа 46-21.5 - $\mathbf{\omega}$

FIG. 16



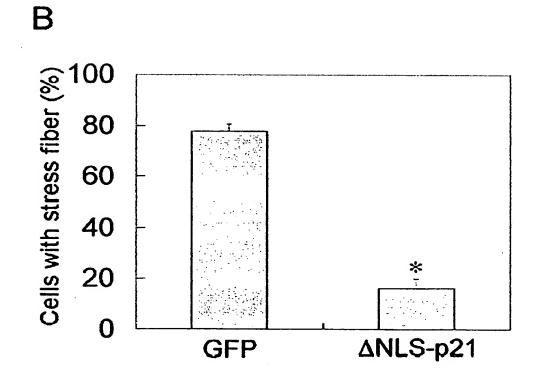


FIG. 18 100 80 Activity (%) 60 40 20 0 2 2.5 3 p21 (nM) 0.5 1.5 3.5 4.5 В 120 100 80 Activity (%) 60 40 20 0 Rho-kinase +GFP Rho-kinase +GFP+Y27632 Rho-kinase +GFP-full-p21 Rho-kinase +GFP-∆NLS-p21

Lysates: Anti-Rho-kinase

FIG. 19 ΔNLS-p21 **Control** В Control ΔNLS-p21 Total neurite length Axonal length per neuron (µm) per neuron (µm) 400 200 160 300 120 200

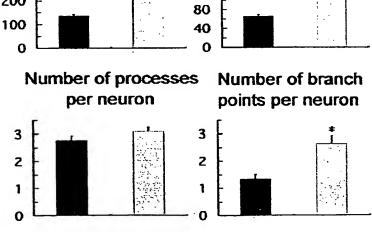


FIG.20 Structure of TAT binding protection

Control protein

myc	
PTD	
GST	

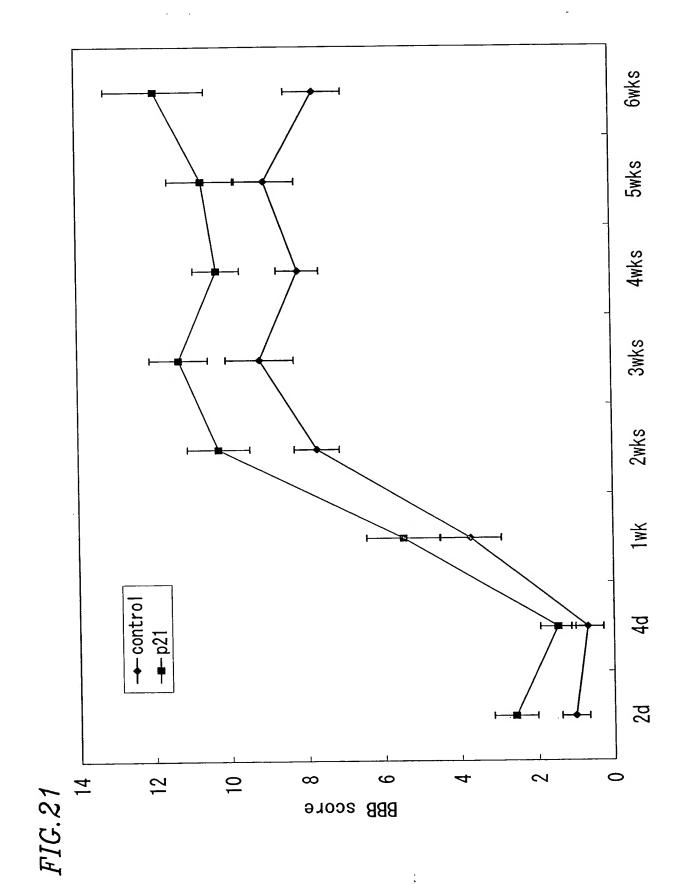
(30.7kDa)

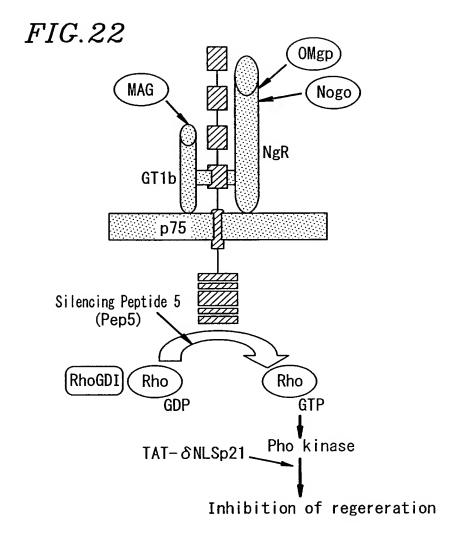
GST-ANLS-p21-PTD-myc protein

	myc
	PTD
	ANLS-p21
-	GST

(44.1kDa)

Protein Transduction Domain YARAAARQARA





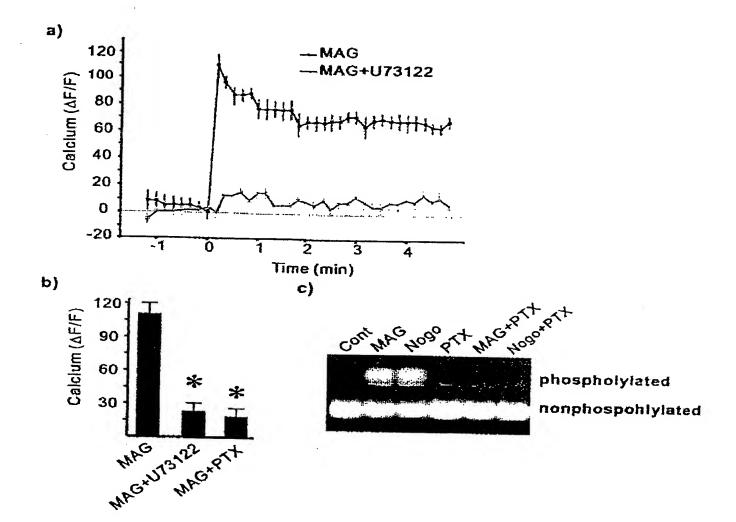
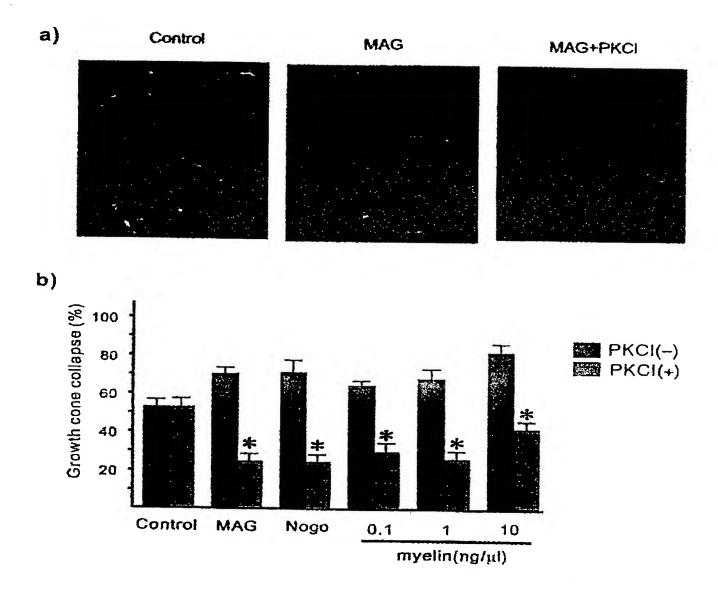
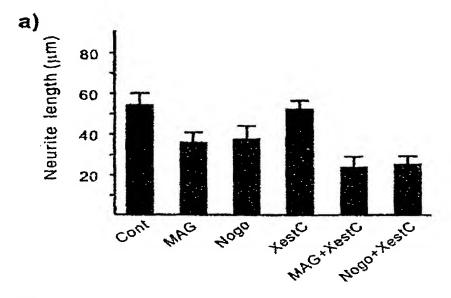
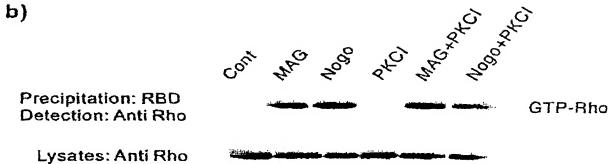


FIG.24 a) Neurite length (µm) 60 60 40 20 MAGRET HOOGRET NAGAUT3122 HOOD #1/3/22 MAG 4000 prt b) MAG Control PKCI(-) PKCI(+) c) 120 Neurite length (µm) 100 80 60 40 20 MAGREKOI Hogorphici PACI Cont MAG H090

FIG.25







· РКС pathway - IP: pathway FIG.27 a) Nogd p75 Rho C signals_C **\$** inhibition promotion b) 120 100 Neurite length (µm) 80 60 40 20 MAG PKCI LESIC LESIC NAGA LESIC